

Name: \_\_\_\_\_

**at1110paper\_practice\_test (v8)**

1. Expand the following expression into standard form.

$$(9x + 5)(3x + 8)$$

2. Solve the equation.

$$(4x + 5)(7x - 2) = 0$$

3. Expand the following expression into standard form.

$$(9x + 4)(9x - 4)$$

4. Expand the following expression into standard form.

$$(3x + 8)^2$$

5. Factor the expression.

$$x^2 - 12x + 35$$

6. Factor the expression.

$$64x^2 - 25$$

7. Solve the equation with factoring by grouping.

$$12x^2 + 18x - 10x - 15 = 0$$

8. Solve the equation.

$$12x^2 - 9x + 7 = 5x^2 + 2x + 3$$